

Missouri Statewide Health Information Exchange

The Missouri Senate Healthy Missourians 2020 Committee

October 1, 2009

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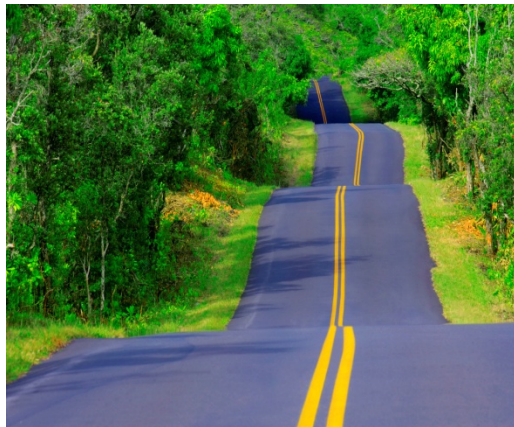
**Director, Department of Social Service
State Health Information Coordinator**



HIE/HIT.....Before and After



Local Communications
Become Global Exchanges



HITECH ACT: Vision

- Supports the agenda for a US health system that is universal, affordable, accessible, safe and transparent
- Health information technology (HIT) and health information exchange (HIE) are the cornerstone and primary tool to drive health care reform
- HITECH sets new direction which finances and expands state's role in EHR adoption and HIE development

HITECH: Goals

- Deployment and adoption of certified EHR which meets meaningful use criteria
- Development of a statewide HIE
- Level playing field for all states

HIE Definitions

- **Health Information Exchange**
 - The electronic movement of health-related information among organizations according to nationally recognized standards
- **Health Information Organization**
 - An organization that oversees and governs the exchange of health-related information among organizations according to nationally recognized standards.
- **Regional Health Information Organization**
 - A health information organization that brings together health care stakeholders within a defined geographic area and governs HIE among them for the purpose of improving health and care in that community.
- **State-level Health Information Exchange**
 - Refers to a set of collaborative, public and private sector efforts for achieving statewide interoperability
 - Statewide purview with two primary functions: *governance* (convene & coordinate) and/or *operations* (provide technical HIE services)
- **“Qualified” State-Designated Entity**
 - Designated by the state as eligible to receive awards
 - A not-for-profit entity with broad stakeholder representation on its governing board;
 - One of its principal goals is to use IT to improve health care quality and efficiency through the authorized and secure electronic exchange and use of health information
 - Adopt nondiscrimination and conflict of interest policies that demonstrate a commitment to open, fair and nondiscriminatory participation by stakeholders

State Opportunities Under HITECH: \$46 Billion in Health IT Funding

Appropriations for Health IT & HIE

\$2 billion for loans, grants & technical assistance:

- **HIE Planning & Implementation Grants**
- EHR State Loan Fund
- National Health IT Research Center & **Regional Extension Centers**
- Workforce Training
- New Technology R&D

Comparative Effectiveness

\$1.1 billion to HHS for CER

- Establishes Federal Coordinating Council to assist offices and agencies of the federal government to coordinate the conduct or support of CER and related health services

New Incentives for Adoption

New Medicare and Medicaid payment incentives to providers for EHR adoption

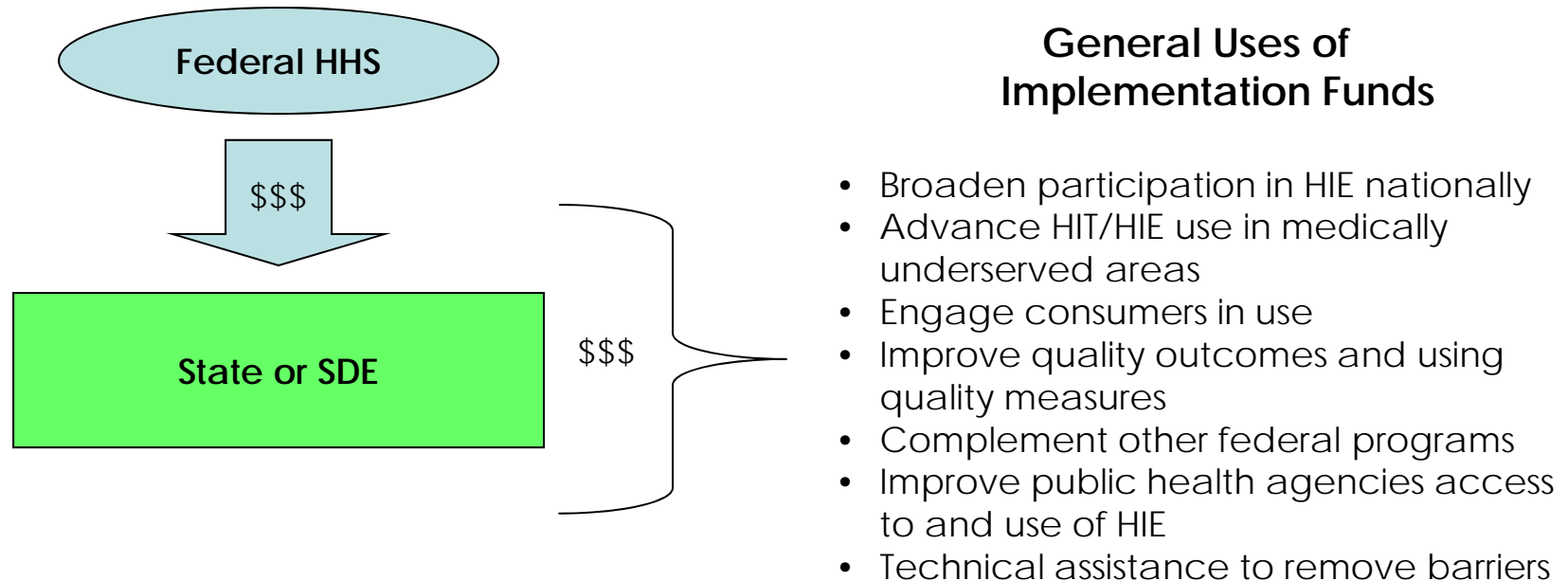
- \$20 billion in expected payments through **Medicare**
- \$14 billion in expected payments through **Medicaid**
- ~\$34 billion in gross expected outlays, 2011-2016

Broadband and Telehealth

\$4.3 billion for broadband & \$2.5 billion for distance learning/ telehealth grants

- Directs ONC to invest in telehealth infrastructure and tools
- Directs the new FACA Policy Committee to consider telehealth recommendations

HIE Implementation & Planning Grants: Funding Flows & Uses

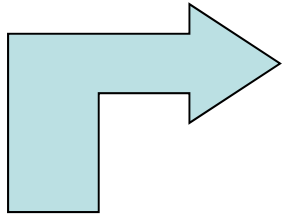


State Designated Entity Definition

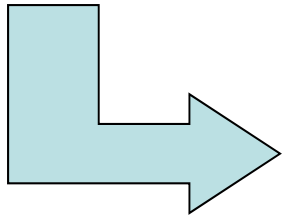
- Be designated by Missouri to receive awards
- Be a not-for-profit with broad stakeholder representation on governing board
- Demonstrate that using IT to improve health care quality and efficiency is one of its principal goals
- Adopt nondiscrimination and other conflict of interest statements that demonstrate commitment to open, fair & nondiscriminatory participation by stakeholders
- Conform to other requirements Federal HHS Secretary establishes

Missouri's Anticipated Allocation of State HIE Program Funding: \$12.9 Million

Two main streams



Planning: Developing plans to accomplish defined activities



Implementation: Accomplishing defined activities

Note: Implementation funds only available after approval of a State Plan by the Federal HHS Secretary

State Plan for Implementation Funds Must:

- Be consistent with the strategic plan developed by the National Coordinator;
- Include a description of the ways the State or qualified State-designated entity will carry out the defined activities;
- Contain elements as the Secretary may require; and
- Be pursued in the public interest.

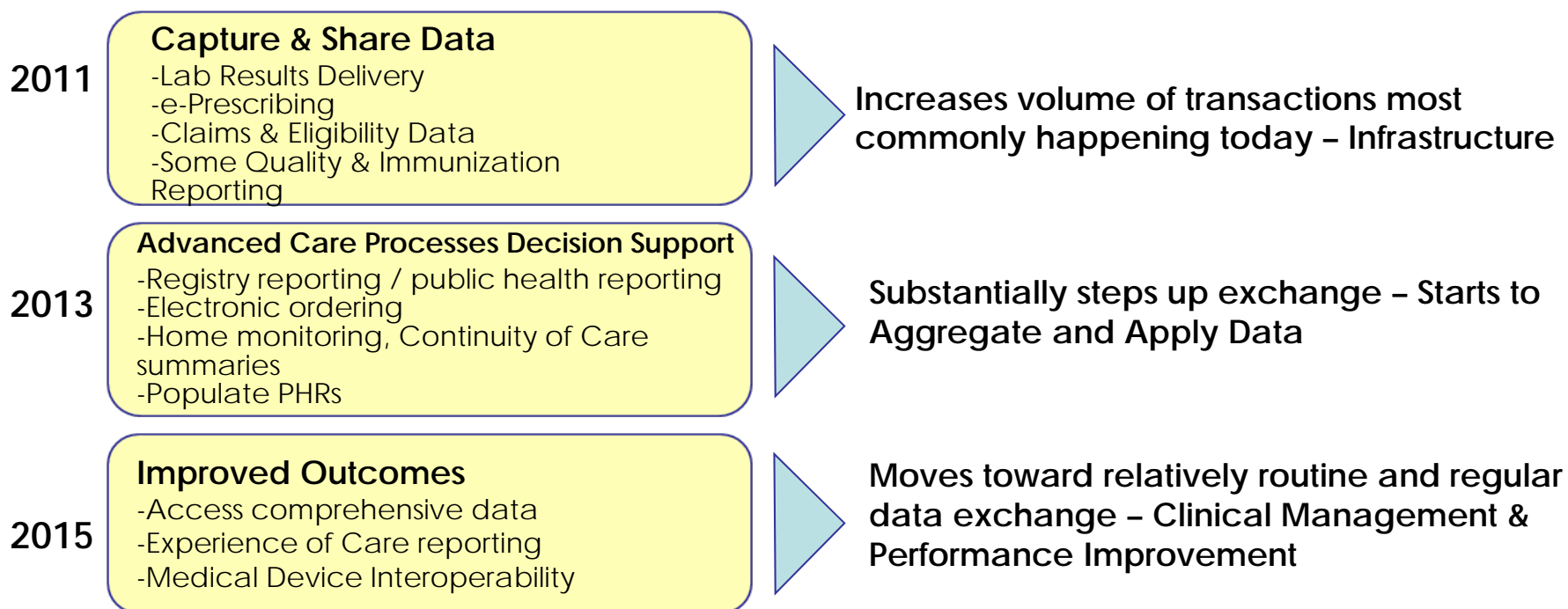
Meaningful Use: \$46 Billion in Incentives

Vision of Meaningful Use

“To enable significant and measurable improvements in population health through a transformed health care delivery system.”

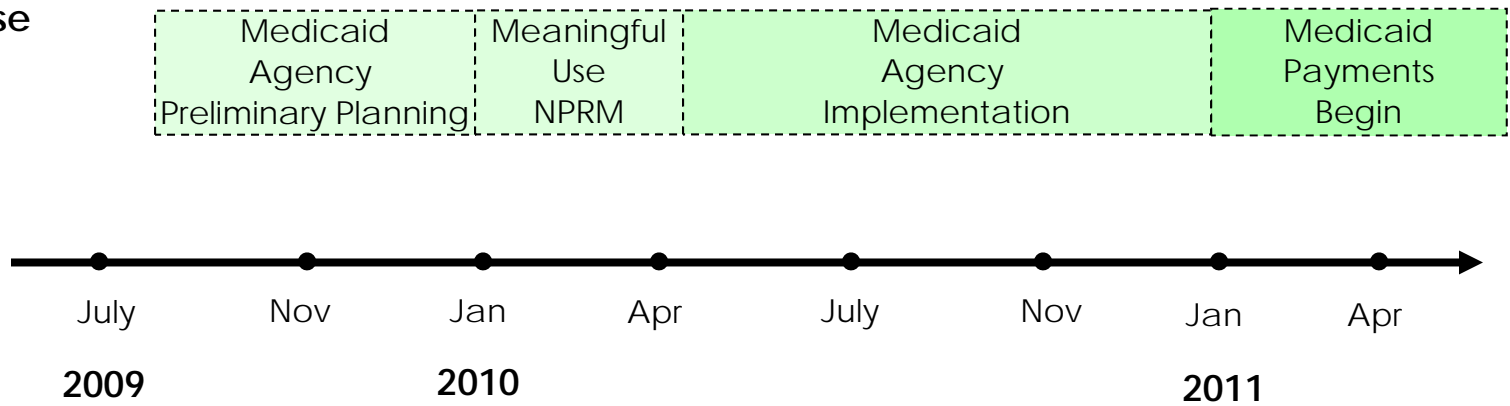
Key Goals

- Improve quality, safety, & efficiency
- Engage patients & their families
- Improve care coordination
- Improve population and public health
- Reduce disparities
- Ensure privacy and security protections



Meaningful Use: Federal Timeline

Meaningful Use & Medicaid Timeline



Medicaid Administrative Funding: State Medicaid Guidance

Sept. 2009 Medicaid Director's Letter:

States must deliver a Medicaid HIT Plan that promotes an **interoperable electronic health system**. The Medicaid Plan must include....

1. Implementation plan for the Medicaid health IT incentive program in their state
2. Assessment of state's health IT capabilities
3. Road map for state health IT initiatives, including target implementation dates
4. Vision for what state's health IT future looks like in 2014

Must be closely linked and interdependent
with the MMIS and MITA* adoption

*Medicaid Management Information Systems and Medicaid Information Technology Architecture

Regional Extension Centers (RECs)

- \$598 Million Total funding from ONC
- Competitive Process – at least 70 RECs in non-overlapping geographic areas nationwide
- Awards to Range from \$1-\$30 Million per REC
- To Support 100,000 primary care providers in aggregate; at least 1,000 per REC

Must demonstrate financial sustainability within 4 years

4 year contracts split into 2 year increments with separate budgets and funding structures – plus ONC has option to renew or drop after first two years

Health IT RECs Funding-Partnership Summary		
Year	Fed Amount of Costs	Recipient Amount of Costs
1	90 percent	10 percent
2	90 percent	10 percent
3	10 percent	90 percent
4	10 percent	90 percent

State HIE Program

- \$564 Million Total funding from ONC
- Cooperative Agreements- Non Competitive
- \$4 - \$40 Million per State

State Matching
Requirements
Begin in FY 2011

Four Year
agreements
with states or
State
Designated
Entities (SDEs)

Fiscal Year	Match Required
2010	None
2011	\$1 for each \$10 federal dollars
2012	\$1 for each \$7 federal dollars
2013	\$1 for each \$3 federal dollars

State HIE Program: Federal Areas of Emphasis for HIE

ONC Expectations

States will develop or facilitate the creation of a technical infrastructure that supports statewide HIE. While states may prioritize among these HIE services according to its needs, HIE services to be developed include:

- Electronic eligibility and claims transactions
- Electronic prescribing and refill requests
- Electronic clinical laboratory ordering and results delivery
- Electronic public health reporting (i.e., immunizations, notifiable lab results)
- Quality reporting
- Prescription fill status and/or medication fill history
- Clinical summary exchange for care coordination and patient engagement

Implications

States need to develop the governance, policy, & technical capabilities:

- within the framework of meaningful use,
- that ensures HIE is available throughout the state.

State HIE Program: Federal HIE Domains

- **In its Funding Opportunity Announcement (FOA),
ONC identified 5 “Essential” Domains for HIE**
 - Governance
 - Finance
 - Technical Infrastructure
 - Business and Technical Operations
 - Legal/Policy

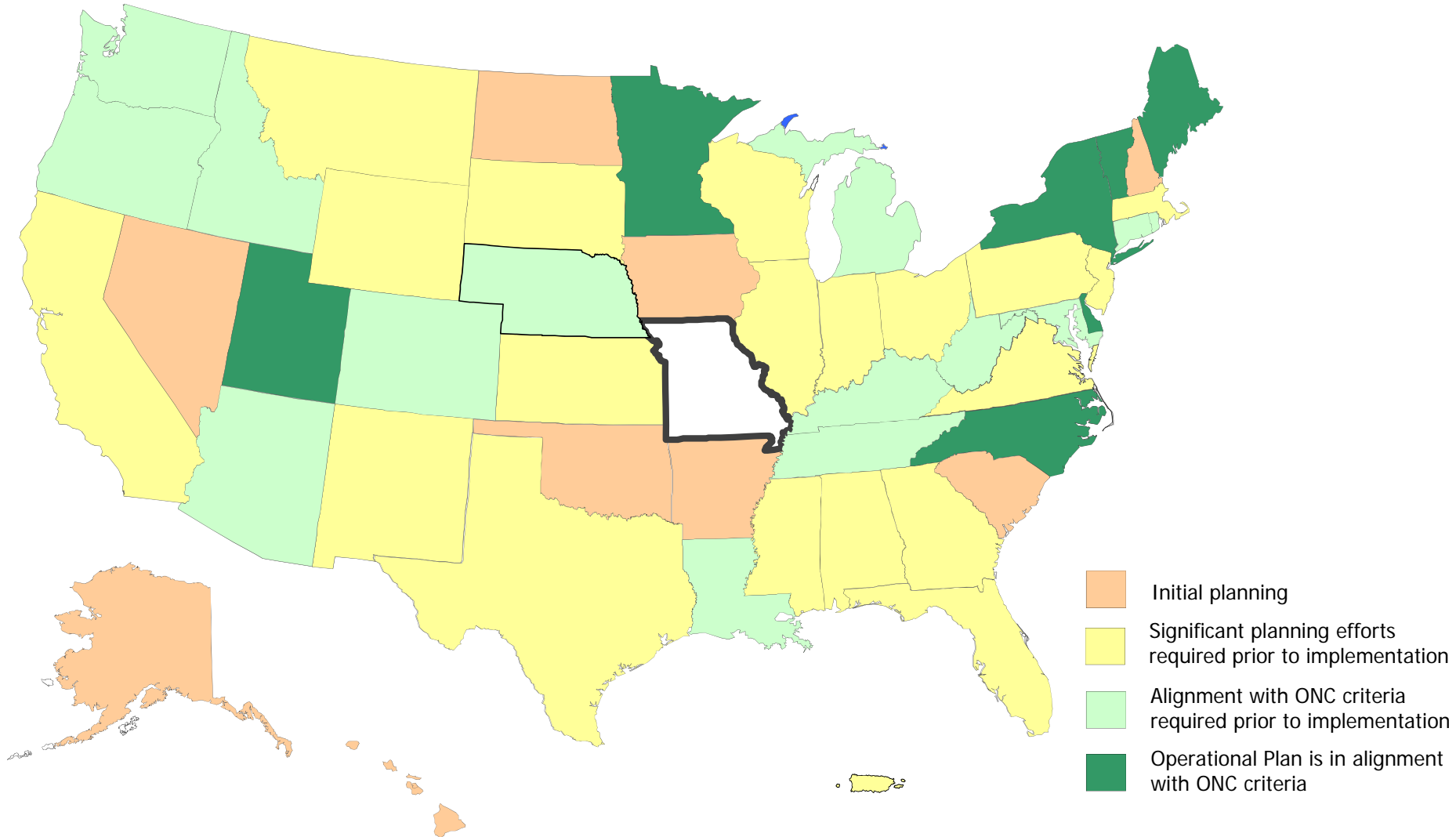
- **ONC Expectations**
 - States will define objectives, set goals, and measure progress within the context of these five domains.

State HIE Program: Classification of States

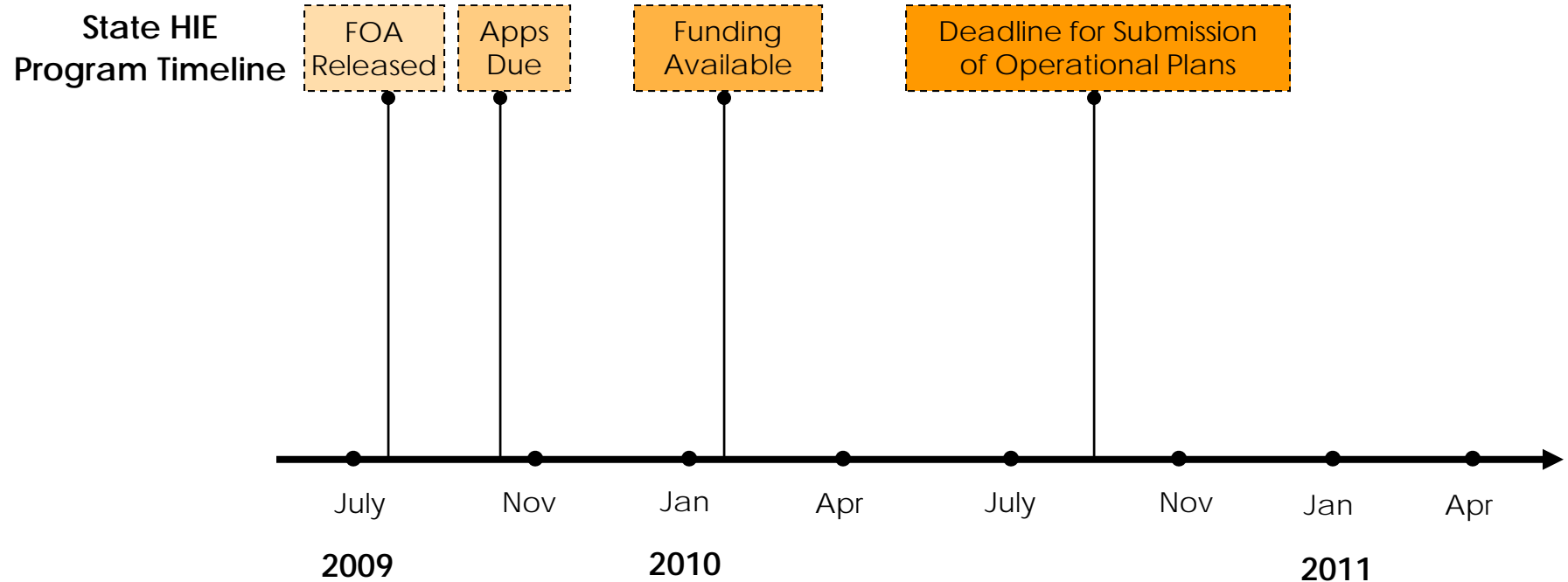
States will be evaluated for funding based on status of existing HIE activities

Category	Required State Action
States with no existing Strategic Plan	<ul style="list-style-type: none">➤ Provide a detailed description of activities to develop Strategic and Operational Plans by the application deadline➤ Develop and submit initial Strategic and Operational Plans within 6 – 8 months of funding <p><i>States will engage in substantial “planning activities”</i></p>
States with existing Strategic and/or Operational Plans that <i>are not consistent</i> with ONC criteria	<ul style="list-style-type: none">➤ Submit existing Plans with a detailed gap analysis compared to ONC’s criteria and a plan for revision➤ Submit updated Strategic and Operational Plans in alignment with ONC criteria within 3 months of funding <p><i>States are expected to move from planning to implementation activities relatively quickly</i></p>
States with existing Strategic and/or Operational Plans that <i>are consistent</i> with ONC criteria	<ul style="list-style-type: none">➤ Submit Plans for approval by ONC, including a description of health IT implementation to date and the plan for continued implementation <p><i>States are likely to be engaged in implementation activities early in their projects</i></p>

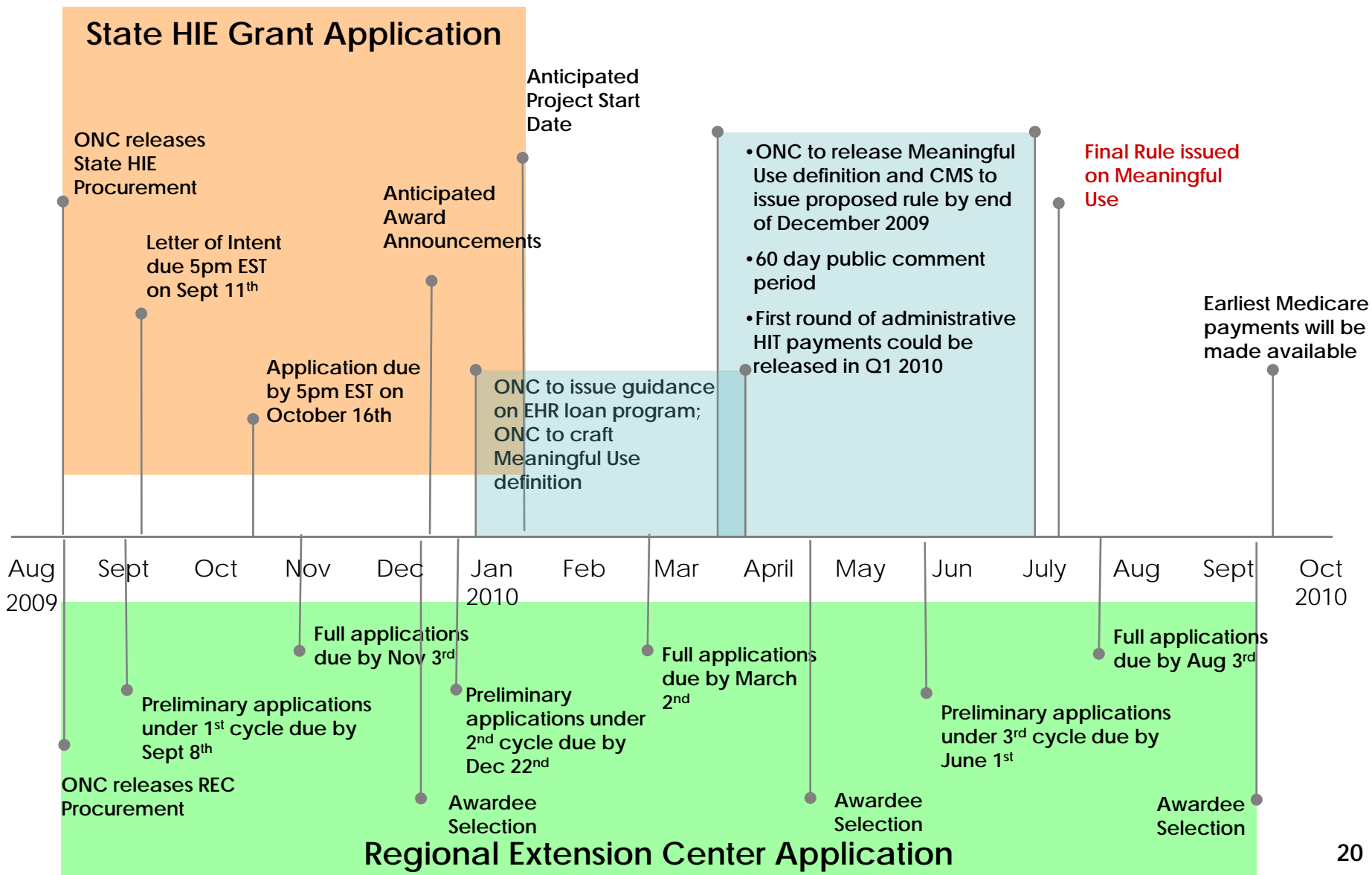
State HIE Program: Where are States Today?



State HIE Program: Timeline for Applications



Combined Timelines: Meaningful Use, RECs, State HIE



Ensuring Sustainability: Federal Vision for HIE

➤ **ONC's State HIE Funding Opportunity Announcement...**

- "Medicare and Medicaid meaningful use incentives are anticipated to create demand for products and services that enable HIE among eligible providers... . The resulting demand for HIE will likely be met by an increased supply of marketed products and services to enable HIE, resulting in a competitive marketplace for HIE services."

Implications

- ONC acknowledges that a viable market for HIE doesn't currently exist.
- Stakeholders must develop a governance, financing, policy and technical infrastructure that both supplies high-value HIE services and creates sustainable demand.

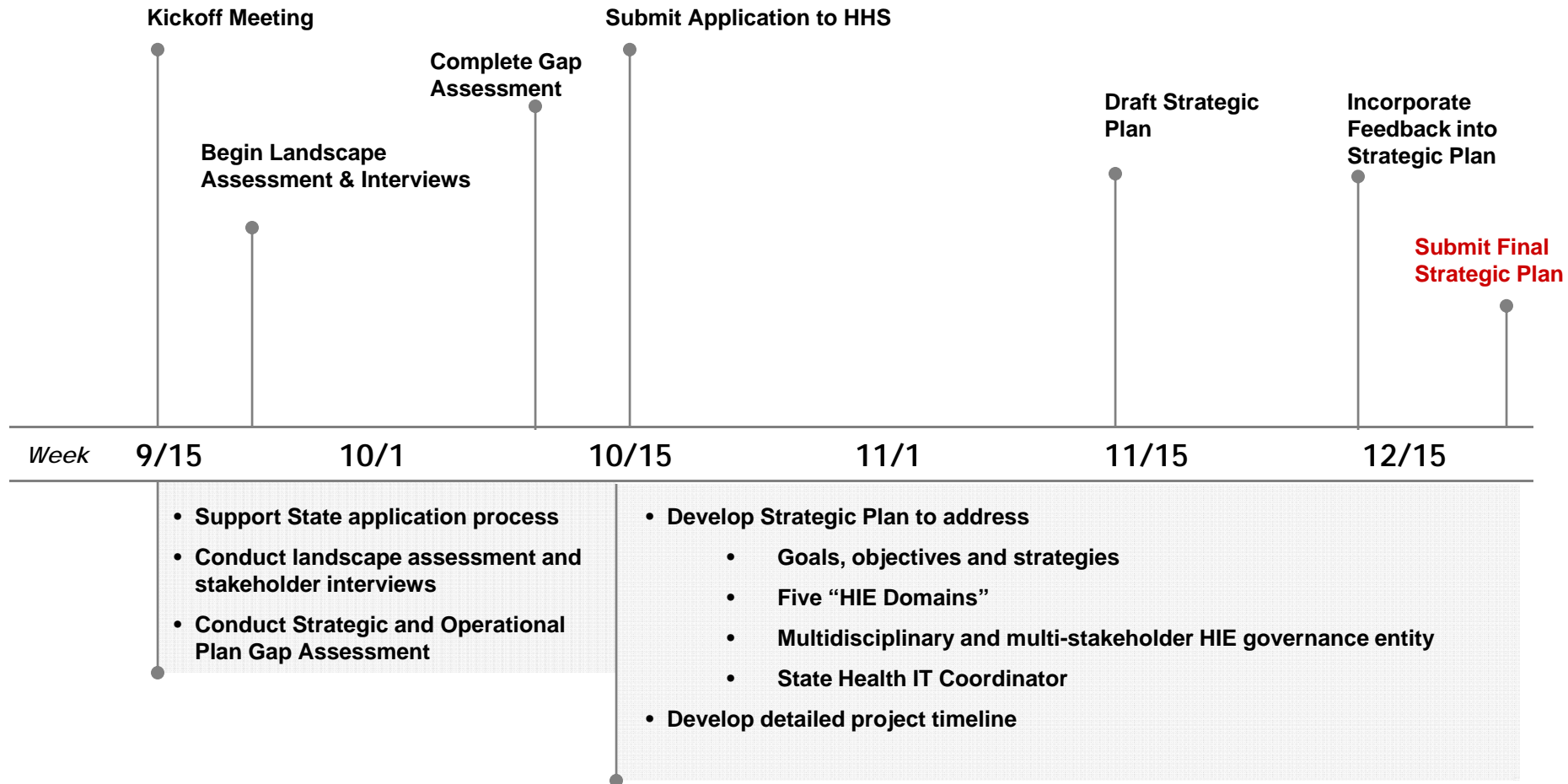
Ensuring Sustainability: Funding

	State HIE Grant	Regional Extension Center	Medicaid Incentives	Medicaid Admin	State Rev	Medicaid Managed Care Programs	Provider Remittance Fees	Ins Claims Adjudication Fees
Total Available	Depends on Population	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>
Distribution	Quarterly 2010-2014	Quarterly 2010-2014	TDB 2011-2016	Annual	Annual	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>
Mechanism	Coop Agreement	Coop Agreement	<i>TBD</i>	<i>TBD</i>	Approps	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>
Fiscal Agent	State	<i>TBD</i>	Providers	State	State Agency	State Agency	<i>TBD</i>	<i>TBD</i>
Potential Sub-Recipients	All	Tech Assist Organizations	<i>NA</i>	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>
Primary Focus	HIE Capacity	HIT Adoption	Meaningful Use	Some Flexibility	Flexible	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>

Project Plan

- **Project Tasks & Timeline**
- **ONC Requirements**
 - Application
 - Strategic Plan
 - Operational Plan

Immediate Project Tasks & Timeline



Project Tasks & Timeline through April 2010



ONC Strategic Plan Requirements

Topic Area/Domain	Components
General Guidance	<ul style="list-style-type: none">• Environmental scan• HIE development and adoption• Medicaid coordination• Coordination of Medicare and Federally Funded, State Based Programs• Participation with federal care delivery organization• Coordination with other ARRA programs
Governance	<ul style="list-style-type: none">• Collaborative governance model• State government Health IT Coordinator• Accountability and transparency
Finance	<ul style="list-style-type: none">• Sustainability
Technical Infrastructure	<ul style="list-style-type: none">• Interoperability• Technical architecture/approach
Business and Technical Operations	<ul style="list-style-type: none">• Implementation
Legal/Policy	<ul style="list-style-type: none">• Privacy and security• State laws• Policies and procedures• Trust agreements• Oversight of information exchange and enforcement

ONC Operational Plan Requirements

Topic Area/Domain	Components
General Guidance	<ul style="list-style-type: none">• Coordinate with ARRA Programs• Coordinate with Other States
Governance	<ul style="list-style-type: none">• Governance and Policy Structures
Finance	<ul style="list-style-type: none">• Cost Estimates and Staffing Plans• Controls and Reporting
Technical Infrastructure	<ul style="list-style-type: none">• Standards and Certifications• Technical Architecture
Business and Technical Operations	<ul style="list-style-type: none">• Current HIE Capacities• State-Level Shared Services and Repositories• Standard Operating Procedures for HIE
Legal/Policy	<ul style="list-style-type: none">• Establish Requirements• Privacy and Security Harmonization• Federal Requirements

Stakeholder Engagement: ONC Requirements

- States will be expected to use their authority, programs, and resources to *convene health care stakeholders to ensure trust in and support for a statewide approach to HIE*
 - **Health care stakeholders must be convened to create trust and consensus on an approach for statewide HIE**
- One of the primary purposes of a governance entity is to develop and maintain a multi-stakeholder process

Broad-based stakeholder collaboration with transparency, buy-in, and trust

Stakeholder Engagement to Date

➤ Six HIE Listening Sessions (August)

- Cape Girardeau
- Columbia
- Kansas City
- Kirksville
- Springfield
- St. Louis

➤ Over 200 participants statewide representing a broad range of healthcare stakeholders

Overarching categories of feedback

- Quality Outcomes and Improved Patient Care
- Privacy and Security
- Interoperability and Standardization
- Fiscal Sustainability
- Integration of New Technology
- Stakeholder Engagement (consumers, providers, and policymakers)
- Rural and Urban Needs within a Statewide Model

These regional meetings were an important initial step toward Missouri's development and implementation of a statewide HIE.

Potential Mechanisms for Stakeholder Engagement

- Stakeholder Interviews (Sept/October)
- Web-based Information Collection Tool
- Wiki
- Email Listserv
- Virtual Meetings

Advisory Board

➤ Membership

- Diverse, representative of healthcare industry
- Public-private

➤ Leadership/Co-Chairs

- State & private sector representatives

➤ Purpose

- Provide advice and counsel to help inform the outcomes of this project
- Engender stakeholder buy-in
- Leverage stakeholder expertise

Next Steps

- **Conduct Target Interviews & Environmental Scan**
- **Submit Application to ONC on Oct. 16th**
- **Establish Process for Stakeholder Feedback**
- **Establish Advisory Board**
- **Draft Strategic Plan (Target: 12/31)**
- **Draft Operational Plan (Target: 4/30)**

State Opportunities Under HITECH

Discussion & Questions